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INFORMATION DISCLOSURE CITATION

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ATTY. DOCKET NO. D0126 NP APPLICATION NO. 10/081,775 **APPLICANT** RAMANATHAN ET AL.

FILING DATE **FEBRUARY 21, 2002**  Group 1647

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#### **U.S. RELATED PATENT APPLICATIONS**

EXAMINER INITIAL		U.S. APPLICATION	DATE OF FILING	NAME	CLASS	SUBCLASS	FILING DATE
25	AA	60/306,803	7/20/01	Ramanathan, et al.			
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#### **U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
7,5	AB	5063154	11/5/91	Fink, et al.		-	
	AC	2003/0198955 A1	10/23/03	Li, et al.			

#### **FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRAN YES	SLATION NO
-82	AD	WO9201810	2/6/92	PCT	7	)		
	AE	WO0216548 A2	2/28/02	PCT				
	AF	EP1270724 A2	6/18/02	EP	1	7		
J,	AG	WO0250276 A2	6/27/02	PCT	1	7		

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

75	АН	Abdalla, et al., "AT1-receptor heterodimers show enhanced G-protein activation and altered receptor sequestration", Nature, Vol. 407, pp. 94-98 (2000)
	AI	Akbar, et al., "Molecular Cloning of a Novel P2 Purinoceptor from Human Erythroleukemia Cells", J. Biol. Chem., Vol. 271(31), pp. 18363-18367 (1996)
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	2AB	Amatruda, et al., "Gα16, a G protein α subunit specifically expressed in hematopoietic cells", PNAS, Vol. 88, pp. 5587-5591 (1991)
	2AC	Baldwin, Joyce, M., "Structure and function of receptors coupled to G proteins", Curr. Opin. Cell Biol., Vol. 6, pp. 180-190 (1994)
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	2AE	Bolander, Franklyn, F., "Molecular Endocrinology", (second Ed.), Academic Press, Copyright 1994, pp. 162-176
	2AF	Boss, et al., "Induction of NFAT-mediated Transcription by G <sub>q</sub> -coupled Receptors in Lymphoid and Non-lymphoid Cells", JBC, Vol. 271, pp. 10429-10432 (1996)
	2AG	Chen, et al., "Constitutive receptor systems for drug discovery", J. Pharmacol. Toxicol. Methods, Vol. 42, pp. 199-206 (1999)
	2AH	Conklin, et al., "Substitution of three amino acids switches receptor specificity of $G_q\alpha$ to that of $G_l\alpha$ ", Nature, Vol. 363, pp. 274-276 (1993)
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	2AK	Coughlin, Shaun, R., "Expanding horizons for receptors coupled to G proteins: diversity and disease", Curr. Opin. Cell Biol., Vol. 6, pp. 191-197 (1994)
	2AL	Dorn, et al., "Low- and high-level transgenic expression of $\beta_2$ -adrenergic receptors differentially affect cardiac hypertrophy and function in G $\alpha$ q-overexpressing mice", PNAS, Vol. 96, pp. 6400-6405 (1999)
	2AM	Feng, et. al., "HIV-1 Entry Cofactor: Functional cDNA Cloning of a Seven-Transmembrane, G Protein-Coupled Receptor", Science, Vol. 272, pp. 872-877 (1996)
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	ЗАВ	Gray, et al., "CD97 is a Processed, Seven-Transmembrane, Heterodimeric Receptor Associated with Inflammation", J. Immun., Vol. 157, pp. 5438-5447 (1996)					
	3AC	Gilman, A. G., "G Proteins: Transducers of Receptor-Generated Signals", Ann. Rev. Biochem, Vol. 56, pp. 615-649 (1987)					
	3AD	Hawes, et al., "Phosphatidylinositol 3-Kinase Is an Early Intermediate in the Gβγ-mediated Mitogen-activated Protein Kinase Signaling Pathway", JBC, Vol. 271, pp. 12133-12136 (1996)					
	3AE	Hofmann, et al., "A Database of Membrane Spanning Protein Segments", Biol. Chemie, Vol. 374, pp. 166 (1993)					
	3AF	Horn, et al., "G protein-coupled receptors in silico", J. Mol. Med., Vol. 76, pp. 464-468 (1998)					
	3AG	Horn, et al., "The Interaction of Class B G Protein-Coupled Receptors with their Hormones", Receptors Chann., Vol. 5, pp. 305-314 (1998)					
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	3AI	Karttunen et al., "Measurement of ligand-induced activation in single viable T cells using the <i>laZ</i> reporter gene", PNAS, Vol. 88, pp. 3972-3976 (1991)					
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	зак	Kypson, et al., "Adenovirus-mediated gene transfer of the $\beta_2$ -adrenergic receptor to donor hearts enhances cardiac function", Gene Therapy, Vol. 6, pp. 1298-1304 (1999)					
	3AL	Lee, et al., "Reversal of Human Neutrophil Survival by Leukotriene B <sub>4</sub> Receptor Blockade and 5-Lipoxygenase and 5-Lipoxygenase Activating Protein Inhibitors", Am. J. Respir. Crit. Care Med., Vol. 160, pp. 2079-2085 (1999)					
	ЗАМ	Lu, et al., "The Functional Topography of Transmembrane Domain 3 of the M <sub>1</sub> Muscarinic Acetylcholine Receptor, Revealed by Scanning Mutagenesis", J. Biol. Chem., Vol. 274(11), pp. 7309-7315 (1999)					
<u></u>	3AN	Manfredi, et al., "Yeast α Mating Factor Structure-Activity Relationship Derived from Genetically Selected Peptide Agonists and Antagonists of Ste2p", Molec. Cell. Biol., Vol. 16(9), pp. 4700-4709 (1996)					
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	4AB	Monnot, et al., "Cloning and Functional Characterization of a Novel mas-Related Gene, Modulating Intracellular Angiotensin II Actions", Molec. Endocrin., Vol. 5(10), pp. 1477-1487 (1991)					
	4AC	Needleman, et al., "A General Method Applicable to the Search for Similarities in the Amino Acid Sequence of Two Proteins", J. Mol. Biol., Vol. 48, pp. 443-453 (1970)					
	4AD	Okada, et al., "Activation of rhodopsin: new insights from structural and biochemical studies", Trends Bio. Sci., Vol. 26(5), pp. 318-324 (2001)					
	4AE	Parma, et al., "Somatic mutations in the thyrotropin receptor gene cause hyperfunctioning thyroid adenomas", Nature, Vol. 365, pp. 649-651 (1993)					
	4AF	Raming, et al., "Identification of a Novel G-Protein Coupled Receptor Expressed in Distinct Brain Regions and a Defined Olfactory Zone", Receptors Channels, Vol. 6, pp. 141-151 (1998)					
	4AG	Rees, et al. (1999) Signal Transduction: A Practical Approach. Oxford: Oxford University Press 171-221					
	4AH	Salcedo, et al, "Human endothelial cells express CCR2 and respond to MCP-1: direct role of MCP-1 in angiogenesis and tumor progression", Blood, Vol. 96, pp. 34-40 (2000)					
	4AI	Schatz, et al., "Inhibition of Adenylate Cyclase by ∇-9-Tetrahydrocannabinol in Mouse Spleen Cells: A Potential Mechanism for Cannabinoid-Mediated Immunosuppression", Life Sciences, Vol. 51, pp. PL 25-30 (1992)					
	4AJ	Selbie, et al., "G protein-coupled-receptor cross-talk: the fine-tuning of multiple receptor-signalling pathways", TiPS, Vol. 19, pp. 87-93 (1998)					
	4AK	Sica, et al, "Defective Expression of the Monocyte Chemotactic Protein-1 Receptor CCR2 in Macrophages Associated with Human Ovarian Carcinoma", Amer. J. Immunology, Vol.164, pp. 733-738 (2000)					
	4AL	Strosberg, Arthur, Donny, "Structure/function relationship of proteins belonging to the family of receptors coupled to GTP-binding proteins", Eur. J. Biochem., Vol. 196, pp. 1-10 (1991)					
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5	5AB	Watson, et al., "The G-protein Linked 2-6 (1994)	Receptor Facts Book", Academic Press, San Diego CA, pp.
5	5AC	Watson, et al., "The G-protein Linked 19-31 (1994)	Receptor Facts Book", Academic Press, San Diego CA, pp.
5	5AD	Wess, J., "G-protein-coupled receptor selectivity of G-protein recognition" B	s: molecular mechanisms involved in receptor activation and ochem., Vol. 11, pp. 346-354 (1997)
5	5AE	Whitney, et al., "A genome-wide funct Nature Biotech., Vol. 16, pp. 1329-133	ional assay of signal transduction in living mammalian cells", 33 (1998)
	5AF		rotein $\alpha$ subunits in the $G_q$ class: Expression in murine etic cell lines", PNAS, Vol. 88, pp. 10049-10053 (1991)
5	5AG	Zlokarnik, et al., "Quantitation of Trans Lactamase as Reporter", Science, V	scription and Clonal Selection of Single Living Cells with β- ol. 279, pp. 84-88 (1998)
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	5AI		pecific Gene with Homology to a G Protein-coupled Receptor, Cancer Res., Vol. 60, pp 6568-6572 (2000)
	5AJ	NCBI Entrez Accession No. AAD1	2761 (gi:3420759), Raming, et al., February 5, 1999
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5	5AM	NCBI Entrez Accession No. AAG4	1686 (gi:11908222), Bulger, et al., December 20, 2000
5	5AN	NCBI Entrez Accession No. AC026	6090 (gi:9958310), Waterson, R.H., September 1, 2000
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